

Comparisons of Job Characteristics

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	8.6	10.9	> Current knowledge level is likely sufficient
Chemistry	4.8	7.3	3.8	<< Extensive education and/or training may be required
Physics	4.3	6.1	5.6	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	12.0	8.7	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.8	9.7	< A higher skill level may be required
Equipment Maintenance	3.5	8.9	5.9	<< Extensive development of skills in this area may be required
Repairing	3.4	8.1	5.6	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	7.3	7.6	0 Current skill level may be sufficient
Equipment Selection	3.3	6.7	3.8	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022) Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	11.6	7.5	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	11.4	8.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.8	7.9	<<	Extensive improvement in abilities may be required
Static Strength	5.0	10.8	5.6	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.5	8.3	<	Some improvement in abilities may be required
Stamina	4.0	8.9	5.1	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	8.8	5.8	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.1	5.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022) Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Examine products or work to verify conformance to specifications	15	
Install equipment or attachments on machinery or related structures	48	
Load or unload material or workpiece into machinery	34	
Maintain or repair industrial or related equipment/machinery	39	
Move or fit heavy objects	8	
Operate metal or plastic fabricating equipment/machinery	54	
Perform safety inspections in manufacturing or industrial setting	33	
Recognize characteristics of alloys	71	
Recognize characteristics of metals	62	
Set up production equipment or machinery	51	

Understand technical operating, service or repair manuals	6
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.